UNJIOGT

Base Product



M-Series Modular Jack, RJ45, Cat6A Unshielded

1,000 Vac @ 60 Hz

Product Classification

| Regional Availability | North America |
|---|-------------------------------|
| Portfolio | Uniprise® |
| Product Type | Modular jack |
| Product Series | UNJ Series |
| General Specifications | |
| ANSI/TIA Category | 6A |
| Cable Type | Unshielded |
| Conductor Type | Solid Stranded |
| Integrated Dust Cover Type | None |
| Termination Type | IDC |
| Wiring | T568A T568B |
| Dimensions | |
| Height | 20.32 mm 0.8 in |
| Width | 20.32 mm 0.8 in |
| Depth | 30.48 mm 1.2 in |
| Compatible Conductor Gauge, solid | 24-22 AWG |
| Compatible Conductor Gauge, stranded | 26-24 AWG |
| Electrical Specifications | |
| Contact Resistance Variation, maximum | 20 mOhm |
| Contact Resistance, maximum | 100 mOhm |
| Current Rating at Temperature | 1.5 A @ 20 °C 1.5 A @ 68 °F |
| Dielectric Withstand Voltage, RMS, conductive surface | 1,500 Vac @ 60 Hz |

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Dielectric Withstand Voltage, RMS, contact-to-contact



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Insulation Resistance, minimum PoE Durability

Material Specifications

Contact Plating Material Material Type Termination Contact Plating

Mechanical Specifications

Plug Retention Force, minimum Plug to Jack Mating Cycles

500 MOhm

Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles

Precious metals

Copper alloy | High-impact, flame retardant, thermoplastic Nickel

133 N | 29.9 lbf Complies to IEC 60603-7 series

Environmental Specifications

| Operating Temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
|-----------------------|--------------------------------------|
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Relative Humidity | Up to 95%, non-condensing |
| Flammability Rating | UL 94 V-0 |
| Safety Standard | UL cUL |

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